

**WESTERN
CLAY COMPANY**

INDUSTRIAL/AGRICULTURAL MINERALS

PHONE 801-529-3281

FAX 801-529-3714

COMMENTS: Thanks for all your help!**FAX COVER SHEET**DATE: Jan, 24 1997TO: Tony / JoelleCOMPANY: State of Utah DOG-MSUBJECT: Exec. SummaryFROM: Neal MortensonTOTAL NUMBER OF PAGES INCLUDING COVER SHEET: 3

IF THERE ARE ANY PROBLEMS WITH THIS TRANSMISSION AND YOU DO NOT
RECEIVE ALL SUBMITTED PAGES, PLEASE CALL US AS SOON AS POSSIBLE.

THANK YOU

P.O. BOX 127, AURORA, UTAH 84620 • OFFICE: (801) 529-3281 • PLANT: (801) 529-3445

Mine Name: Hebe Gypsum
Operator: Western Clay Company
PO BOX 127
508 E Center
Aurora, Ut. 84620

I.D. No: _____
County: Emery
New/Existing: New
Mineral Ownership: Garrick & Associates
BLM
Surface Ownership: BLM
Permit Term: Life of mine

Telephone: 801-529-3281

Life of mine: Approximately 13 years

Legal Description:

Hebe #1 S $\frac{1}{2}$ of the S $\frac{1}{2}$ of the SW $\frac{1}{4}$ Sec 24 T24S R7E SLM
Hebe #2 N $\frac{1}{2}$ of the NW $\frac{1}{4}$ Sec 24 T 24S R7E SLM
Hebe #4 N $\frac{1}{2}$ of the E $\frac{1}{2}$ of the E $\frac{1}{2}$ Sec 23 T24SR7ESLM
Hebe #5 N $\frac{1}{2}$ of the W $\frac{1}{2}$ of the E $\frac{1}{2}$ Sec 23 T24SR7ESLM
Hebe #8 N $\frac{1}{2}$ of the E $\frac{1}{2}$ of the W $\frac{1}{2}$ Sec 23 T24SR7ESLM
Hebe #9 N $\frac{1}{2}$ of the S $\frac{1}{2}$ of Sec 15 T24SR7ESLM
Hebe #10 SE $\frac{1}{2}$ of the S $\frac{1}{4}$ of Sec 15 and the SW $\frac{1}{2}$ of the SW $\frac{1}{4}$ sec 14
Hebe #11 NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ Sec 23

Mineral to be Mined: Gypsum

Acres to be disturbed: 88.67 Acres

Present land use: Rangeland for livestock grazing.

Post-mining land use: Rangeland for livestock grazing.

Variances: None

Soils and Geology

Soil description: Soils in this area are negligible and poor. Some of the area is topped with blow-sand or cryptogam. The remainder of the area is exposed shale or gypsum sometimes capped with cryptogam.

pH: 7.3 to 7.6 depending on depth

Special handling problems: Overburden, Cryptogam, Seed-bed preserved for reclamation.

Geology description: Gypsum beds dip gently to the west. We are proposing operations on both an upper and a lower bed of gypsum. The upper bed is on area C and the lower bed on area E.

Hydrology

Ground Water Description: Ground water in this area is very deep and should not be affected by the project.

Surface Water Description: The natural contour of this area is flat with few gullies. On cross section A-A a 60 foot long 36 inch diameter pipe will be installed. The road in area D will cross through a gully channel.

Water Monitoring Plan: N/A

Ecology:

Vegetation types: The most prominent vegetation is: *Atriplex corrugata*, *Chrysothamnus nauseosus*, *Oryzopsis hymenoides*, and *Atriplex confertifolia*. There are also several *Sclerocactus wrightii* in the area.

Percent surrounding vegetation cover: Vegetation-6.72%, bare ground and litter-93.28%

Wild life concerns: none known

Surface Facilities: Portable toilets, 500 gallon fuel tank, and an equipment storage area.

Mining and reclamation plan summary:

Mining: Gypsum is exposed and visible on the proposed mine areas. Overburden and topsoil will be removed with a dozer and excavator. The mining will be done by the drill and blast method. A reclaimer type machine may be used to mine the gypsum. The gypsum will be processed at Western Clay's plant in Aurora

Reclamation: Any hard surfaces will be ripped to a minimum depth of twelve inches with a dozer. A loader will be used to transfer the stockpiled overburden and sub-grade gypsum onto the area to be reclaimed or onto a truck which will then place the material on the area to be reclaimed. A dozer and road grader will be used to spread this material over the surface area restoring the area to its approximate natural contours. This area will be left in a roughened condition so as to give seed-bed and cryptogam material a chance to adhere. The mine area will be seeded and re-contoured to resemble natural conditions.

Surety

Amount: _____

Form: _____

Renewable term: _____